

**TOPOGRAPHIC SURVEY CONTROL POINT RECORD**

STATION LONG NAME	MU14
STATION NUMBER	MU14
4 CHAR ID	MU14
COUNTRY	IRAQ
LOCATION	AL HAYSHIRIYAT
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	07 JULY 05
NUMBER OF RODS	1

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	x		1
OFFICE COORDINATE VALUES	x		1
STATION MONUMENT & SITE DETAILS	x		1
STATION DIAGRAM	x		1
ACCESS MAP	x		1
ACCESS DESCRIPTION	x		1
APPROACH PHOTOGRAPHS	x		1
CARDINAL POINT PHOTOGRAPHS	x		2

**RECORD OF VISITS**

DATE OF VISIT	NAME	UNIT	REMARKS

**ADDITIONAL DETAILS/ENCLOSURES**

CONTENTS	NO OF PAGES

## FIELD COORDINATE VALUES

STATION LONG NAME	MU14
4 CHAR ID	MU14
STATION NUMBER	MU14

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

### FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	30° 23' 45.1"
LONGITUDE E	045° 06' 18.3"
HT (M)	+189
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R NV 10100 62633
SURVEYING AGENCY	IGRS

FIELD INPUT BY: SPC CHAMBERS	UNIT: IGRS	DATE: 07 JULY 2005
FIELD CHECKED BY: SGT. O'NEAL	UNIT:IGRS	DATE: 07 JULY 2005

# OFFICE COORDINATE VALUES

## WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	30° 23' 44.34742''
LONGITUDE E	045° 06' 18.51145''
SPHEROIDAL HT (M)	180.832
EGM96 GEOID MODEL HT (M)	-5.226
ORTHOMETRIC HT (M)	186.058
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.014
RELATIVE HEIGHT ACCURACY (M)	0.025
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

## LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

## STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU 14	
STATION NUMBER: MU14	4 CHAR ID: MU14
LOCATION: AS SALMON	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: FINE MARK ON REBAR	NO OF REBARS: 1

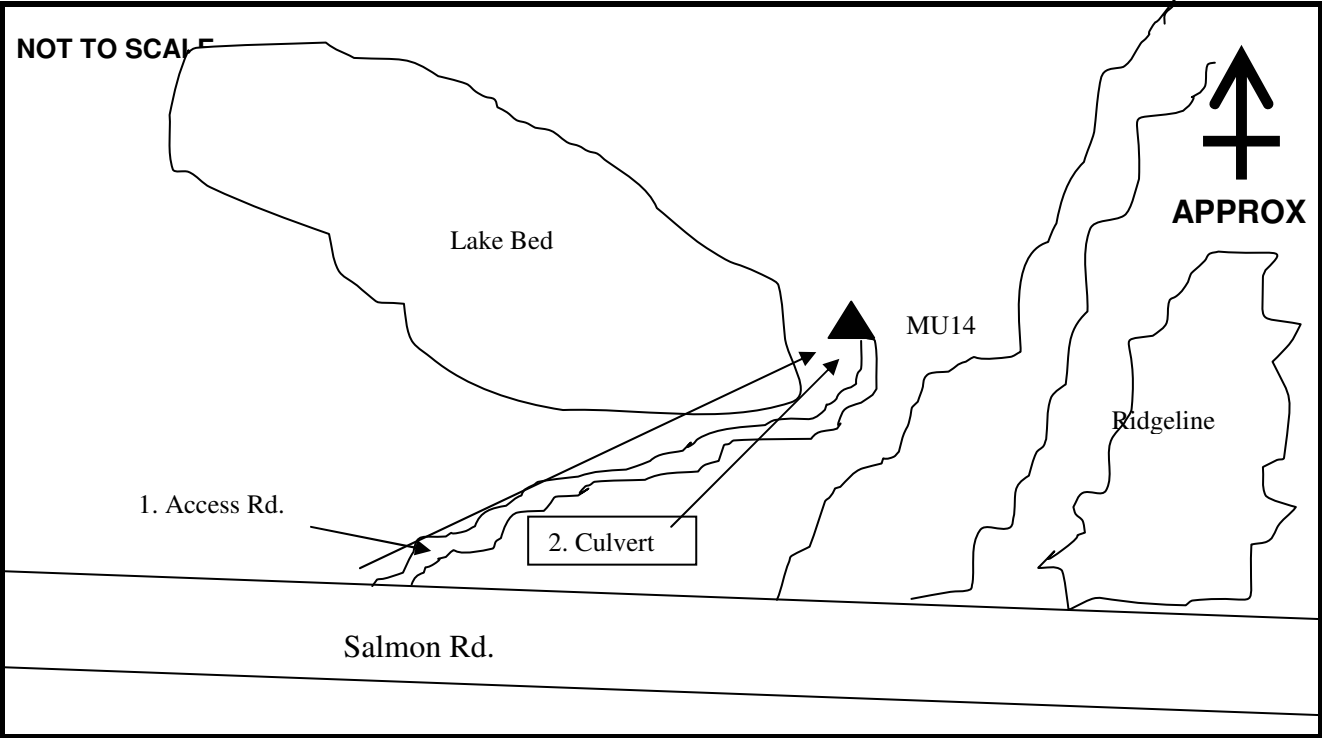
### MONUMENT PHOTO / SKETCH



PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 07 JULY 2005
CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 07 JULY 2005

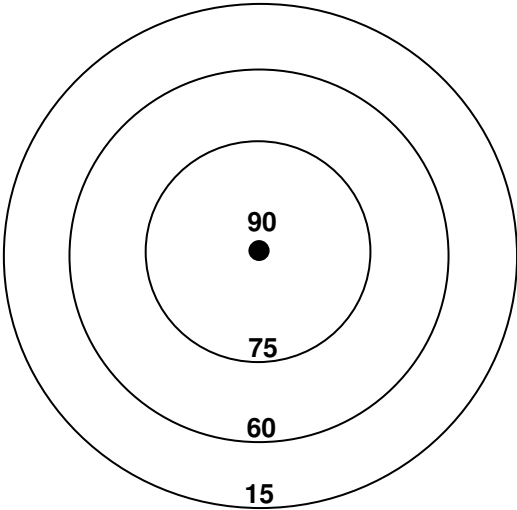
**STATION DIAGRAM**

STATION LONG NAME: MU14	
STATION NUMBER: MU14	4 CHAR ID: MU14



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1	FROM ACCESS ROAD AT GRID 38R NU 1001 6275	42°	350M
2	CONCRETE CULVERT	35°	300M
3			
4			

**OBSCURITY DETAILS**



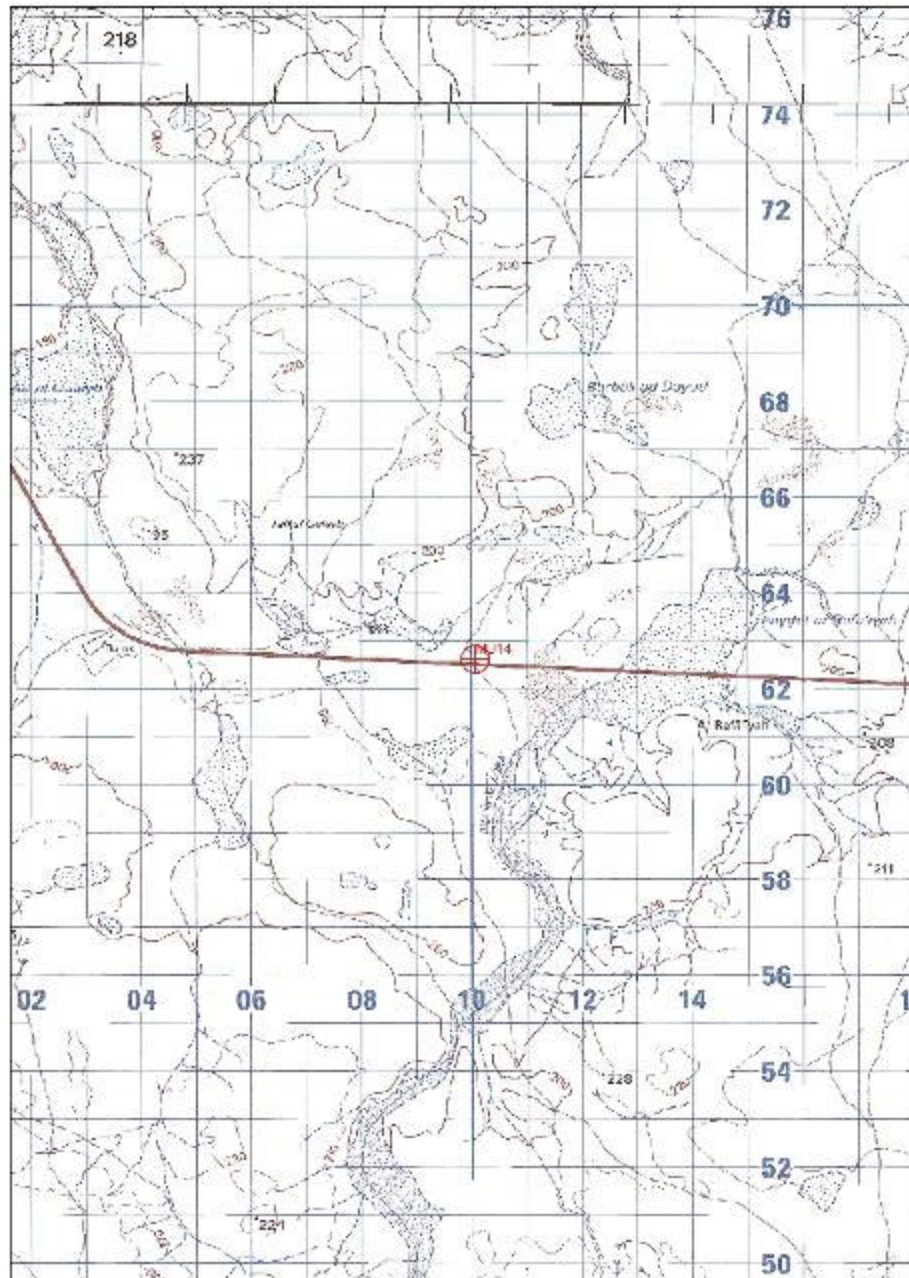
PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 07 JULY 2005
CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 07 JULY 2005

## ACCESS MAP

STATION LONG NAME: MU14		
STATION NUMBER: MU14		4 CHAR ID: MU14

MAP DETAILS	SERIES: K643	SHEET: 5050
EDITION: 1-NIMA	SCALE: 1:100,000	GR: 38R NV 10095 62655



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CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 07 JULY 2005

## ACCESS DESCRIPTION

<b>STATION LONG NAME: MU14</b>		
<b>STATION NUMBER: MU14</b>		<b>4 CHAR ID: MU14</b>

<b>MAP DETAILS</b>	<b>SERIES: K643</b>	<b>SHEET: 5050</b>
<b>EDITION: 1-NIMA</b>	<b>SCALE: 1:100,000</b>	<b>GR: 38R NV 10095 62655</b>

At grid 38R NV 3045 6004, travel west (turn left) onto main road.  
Travel west for approximately 5km to Junction at grid: 38R 2779 6149. Then travel west on road following the road south for 122km to grid 38R MU 594 815at a junction. From junction travel East for approximately 70kms to junction with an access trail at grid location: 38R NU 1001 6275. Proceed onto trail (next to concrete culvert) and travel northeast for approximately 350m, to survey sire MU14 at grid location: 38R NU 1009 6265. (Note: the site will be on rocky high ground over-looking a seasonal lake bed.)

<b>PREPARED BY: SPC CHAMBERS</b>	<b>UNIT: IGRS</b>	<b>DATE: 07 JULY 2005</b>
<b>CHECKED BY: SGT. O'NEAL</b>	<b>UNIT: IGRS</b>	<b>DATE: 07 JULY 2005</b>

# APPROACH PHOTOGRAPHS

STATION LONG NAME: MU14	
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## NEAR APPROACH FACING NORTH



## FAR APPROACH FACING NORTH



TAKEN BY: SGT O'NEAL	DATE TAKEN: 07 JULY 2005
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**CARDINAL PHOTOGRAPHS**

STATION LONG NAME: MU14	
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**NORTH**



**SOUTH**



TAKEN BY: SGT. O'NEAL	DATE TAKEN: 07 JULY 2005
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# CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU14	
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EAST



WEST



TAKEN BY: SGT O'NEAL	DATE TAKEN: 07 JULY 2005
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